

ATTORNEY DOCKET NO. 20000389.ORI (ANSI01-00009)  
U.S. SERIAL NO. 09/670,062  
PATENT

AMENDMENTS TO THE CLAIMS:

- 1 1. (Currently Amended) A medical lead, comprising:  
2 a lead body having an insulator and at least one conductor, wherein the insulator includes at  
3 least one welding region defined by an area where insulating material is removed to expose at least  
4 a portion of the at least one conductor;  
5 at least one conductive pad within the welding region, the conductive pad electrically  
6 connected to the conductor; and  
7 a band welded to the conductive pad within the welding region to electrically connect the  
8 band to the conductor. *new matter?*
- 1 2. (Original) A medical lead, as in Claim 1, wherein the welding region comprises a groove  
2 cut in the insulator.
- 1 3. (Original) A medical lead, as in Claim 2, wherein the groove runs parallel to the  
2 conductor.
- 1 4. (Original) A medical lead, as in Claim 1, wherein the conductive pad is electrically  
2 connected to the conductor using a method selected from the group consisting of welding,  
3 conductive adhesives, crimping.

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1 5. (Currently Amended) A medical lead, as in Claim 1, wherein the conductive pad comprises  
2 is composed of a metal selected from the group consisting of stainless steel, MP35N, platinum, gold,  
3 silver, copper and vanadium.

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1 6. (Original) A medical lead, as in Claim 1, wherein the band is selected from the group  
2 consisting of a band electrode, a band connector, and a sensor.

1 7. (Currently Amended) A medical lead, as in Claim 1, wherein the band further comprises  
2 comprising a plurality of projections on an inner wall of a lumen, wherein the projections space the  
3 inner wall from an outer surface of the lead body.

1 8. (Original) A medical lead, as in Claim 7, wherein at least three projections are positioned  
2 around the inner wall to center the lead body within the lumen.

1 9. (Currently Amended) A medical lead, comprising:  
2 a lead body having an insulator and at least one conductor, wherein the insulator includes at  
3 least one welding region;  
4 at least one elongated conductive element having a distal end and a proximal end electrically  
5 connected to the conductor within the welding region; and

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6 a band welded to the distal end of the elongated conductive element to electrically connect  
7 the band to the conductor.

1 10. (Original) A medical lead, as in Claim 9, wherein the welding region comprises a groove cut  
2 in the insulator.

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1 11. (Original) A medical lead, as in Claim 10, wherein the groove runs parallel to the  
2 conductor.

1 12. (Original) A medical lead, as in Claim 9, wherein the elongated conductive element is  
2 selected from the group consisting of wire, ribbon wire, and cable.

1 13. (Previously Amended) A medical lead, as in Claim 9, wherein the elongated  
2 conductive element is electrically connected to the conductor using a method selected from the group  
3 consisting of welding, crimping and conductive adhesives.

1 14. (Currently Amended) A medical lead, as in Claim 9, wherein the elongated conductive  
2 element comprises ~~is composed of~~ a material selected from the group consisting of stainless steel,  
3 MP35N, platinum, gold, silver, copper and vanadium.

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cont

1 15. (Original) A medical lead, as in Claim 9, wherein the band is selected from the group  
2 consisting of a band electrode, a band connector, and a sensor.

3 16. (Currently Amended) A medical lead, as in Claim 9, wherein the band further comprises  
comprising a plurality of projections on an inner wall of a lumen, wherein the projections space the  
inner wall from an outer surface of the lead body.

1 17. (Original) A medical lead, as in Claim 16, wherein at least three projections are  
2 positioned around the inner wall to center the lead body within the lumen.

18. - 29. (Withdrawn)

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1 30. (New) A medical lead, comprising:  
 2 a lead body having an insulator and at least one conductor, wherein the insulator includes at  
 3 least one welding region defined by a groove formed in the insulator to expose at least a portion of  
 4 the at least one conductor;  
 5 at least one conductive pad within the welding region, the conductive pad electrically  
 6 connected to the conductor; and  
 7 a band welded to the conductive pad within the welding region to electrically connect the  
 8 band to the conductor.

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1 31. (New) A medical lead, as in Claim 31, wherein the groove runs parallel to the conductor.

1 32. (New) A medical lead, as in Claim 31, wherein the conductive pad is electrically connected  
 2 to the conductor using a method selected from the group consisting of welding, conductive  
 3 adhesives, crimping.